Title (en)
METHOD AND APPARATUS FOR OVER CLOCKING IN A DIGITAL PROCESSING SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ÜBERTAKTUNG IN EINEM DIGITALEN VERARBEITUNGSSYSTEM

Title (fr)
PROCEDE ET DISPOSITIF DE DEPASSEMENT DE FREQUENCE D'HORLOGE DANS UN SYSTEME DE TRAITEMENT NUMERIQUE

Publication
EP 1711878 A2 20061018 (EN)

Application
EP 05702729 A 20050120

Priority
- IB 2005050234 W 20050120
- EP 04100301 A 20040128
- EP 05702729 A 20050120

Abstract (en)
[origin: WO2005073828A2] A method of determining a maximum optimum clock frequency at which a digital processing system can operate, the method comprising the steps of: generating a clock signal at an initial frequency; increasing said frequency in a step-wise manner and determining the operation of said system each of a selected number of frequencies, until a clock frequency is identified at which said processor does not operate correctly; and identifying a maximum clock frequency at which said system can operate correctly; characterized in that: said maximum clock frequency comprises the frequency immediately previous to the one identified as being one at which said system does not operate correctly; and in that a timing monitor is provided for determining whether or not said system can operate within system timing constraints at each frequency, thereby indicating whether or not said system operates correctly at the respective frequency.

IPC 8 full level
G06F 1/00 (2006.01); **G06F 1/08** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2005073828A2

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Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
WO 2005073828 A2 20050811; **WO 2005073828 A3 20060406**; CN 100504716 C 20090624; CN 1914577 A 20070214; EP 1711878 A2 20061018; JP 2007520008 A 20070719; US 2007168686 A1 20070719; US 7536578 B2 20090519

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IB 2005050234 W 20050120; CN 200580003357 A 20050120; EP 05702729 A 20050120; JP 2006550421 A 20050120; US 58760705 A 20050120